

ABR-Scan Science Week 9-10

Unit for Antibiotics and Infection Control

This ABR-Scan Science is compiled by the Unit for Antibiotics and Infection Control at the Public Health Agency of Sweden. It includes a summary of links to recent articles from a selection of 17 scientific journals that we find interesting. All journals included in the scan are listed at the bottom of the document. The articles are sorted according to our categorization: surveillance, treatment and diagnosis, prevention and intervention, microbiology and other. If you have any comments or suggestions, please send an e-mail to Jonas Fuks at ABR-scan@folkhalsomyndigheten.se

Surveillance

mcr-1 in Enterobacteriaceae from Companion Animals, Beijing, China, 2012–2016.

[Emerging Infectious Diseases](#)

Twenty years and counting: epidemiology of an outbreak of isoniazid-resistant tuberculosis in England and Wales, 1995 to 2014. [Eurosurveillance](#)

Patients hospitalized abroad as importers of multiresistant bacteria – a cross-sectional study. [Clinical Microbiology and Infection](#)

ST405 NDM-5 Producing Escherichia coli in Northern Italy: the First Two Clinical Cases.

[Clinical Microbiology and Infection](#)

Extended-spectrum β -lactamase- and pAmpC-producing Enterobacteriaceae among the general population in a livestock-dense area. [Clinical Microbiology and Infection](#)

Longitudinal investigation of nasopharyngeal methicillin-resistant *Staphylococcus aureus* colonization in early infancy: The PATCH birth cohort study. [Clinical Microbiology and Infection](#)

High Incidence of Escherichia coli Strains Coharboring mcr-1 and blaNDM from Chickens.

[Antimicrobial Agents and Chemotherapy](#)

Prevalence and genetic characteristics of carbapenem-resistant Enterobacteriaceae strains in China. [Lancet Infectious Diseases](#)

Invasive pneumococcal disease in children aged younger than 5 years in India: a surveillance study. [Lancet Infectious Diseases](#)

Socioeconomic Factors Explain Racial Disparities in Invasive Community-Associated

Methicillin-Resistant *Staphylococcus aureus* Disease Rates. [Clinical Infectious Diseases](#)

Treatment and diagnosis

Efficacy of the switch to oral antibiotics in the treatment of non-*Staphylococcus aureus* infective endocarditis in non-severely ill patients. [Clinical Microbiology and Infection](#)

Response to the comment on “Efficacy of the switch to oral antibiotics in the treatment of non-*Staphylococcus aureus* infective endocarditis in non-severely ill patients” by Davido et al. [Clinical Microbiology and Infection](#)

Nephrotoxicity of Polymyxins: Is There Any Difference between Colistimethate and Polymyxin B? [Antimicrobial Agents and Chemotherapy](#)

Ceftaroline-Resistant, Daptomycin-Tolerant, and Heterogeneous Vancomycin-Intermediate Methicillin-Resistant *Staphylococcus aureus* Causing Infective Endocarditis. [Antimicrobial Agents and Chemotherapy](#)

Dosing Guidance for Intravenous Colistin in Critically Ill Patients. [Clinical Infectious Diseases](#)
Comparative Effectiveness and Safety of Standard-, Medium-, and High-Dose Daptomycin
Strategies for the Treatment of Vancomycin-Resistant Enterococcal Bacteremia Among
Veterans Affairs Patients. [Clinical Infectious Diseases](#)
Systematic Review and Metaanalysis of Acute Kidney Injury Associated With Concomitant
Vancomycin and Piperacillin/Tazobactam. [Clinical Infectious Diseases](#)
Low Doses of Colistimethate: Don't Rush In! [Clinical Infectious Diseases](#)

Prevention and intervention

A new way to prevent urinary tract infections? [Lancet](#)
The effect of an antibiotic checklist on length of hospital stay and appropriate antibiotic
use in adult patients treated with intravenous antibiotics: a stepped wedge cluster
randomised trial. [Clinical Microbiology and Infection](#)
What Is the More Effective Antibiotic Stewardship Intervention: Preprescription
Authorization or Postprescription Review With Feedback? [Clinical Infectious Diseases](#)
Top 1% of Inpatients Administered Antimicrobial Agents Comprising 50% of Expenditures:
A Descriptive Study and Opportunities for Stewardship Intervention. [Infectious Control and
Hospital Epidemiology](#)

Microbiology

Impact of MALDI-TOF-MS-based identification directly from positive blood cultures on
patient management: a controlled clinical trial. [Clinical Microbiology and Infection](#)
Emergence of Ceftazidime-Avibactam Resistance Due to Plasmid-Borne blaKPC-3
Mutations during Treatment of Carbapenem-Resistant Klebsiella pneumoniae Infections.
[Antimicrobial Agents and Chemotherapy](#)

Other

Antimicrobial resistance: a light at the end of the tunnel? [Lancet](#)
Counting the cost of an outbreak of carbapenemase-producing *Enterobacteriaceae*: an
economic evaluation from a hospital perspective. [Clinical Microbiology and Infection](#)
Increased Costs Associated with Bloodstream Infections Caused by Multidrug-Resistant
Gram-Negative Bacteria Are Due Primarily to Patients with Hospital-Acquired Infections.
[Antimicrobial Agents and Chemotherapy](#)
Educating front-line clinicians about antimicrobial resistance. [Lancet Infectious Diseases](#)

The publications included in the scan are: Antimicrobial Agents and Chemotherapy, British Medical Journal, Clinical Infectious Diseases, Clinical Microbiology and Infection, Emerging Infectious Diseases, Eurosurveillance, Infection Control & Hospital Epidemiology, Infectious Diseases, JAMA - The Journal of the American Medical Association, Journal of Antimicrobial Chemotherapy, Journal of Hospital Infection, Journal of Infectious Diseases, Lancet, Lancet Infectious Diseases, New England Journal of Medicine, Pediatrics and Scandinavian Journal of Primary Health Care. In addition, other articles from other publications can be included.